

REMARKS

Claims 1-29 remain pending in this application. Each of the pending claims is believed to define an invention which is novel and unobvious over the cited references. Favorable reconsideration of this case is respectfully requested.

A new title of a the invention is provided. If the new title is not acceptable, the Examiner is urged to suggest an appropriate title. A supplemental ADS indicating the title change is submitted with this amendment.

The claims have been amended to correct the minor informalities noted by the Examiner.

Claims 22-26 have been rejected by 35 U.S.C. 112, second paragraph as being indefinite. Claims 22-26 have been amended. It is respectfully submitted that all pending claims are now in all aspects in compliance with 35 U.S.C. 112, second paragraph. Therefore, the withdrawal of this rejection is respectfully requested.

Embodiments of the invention relate to a magnetron having an outer strap 32. The outer strap 32 includes a plurality of protruding regions 34-40. The protruding regions vary the distance between the interior and outer straps 31, 32 or between the outer strap and anode, thereby providing local variations in capacitance that allow control of the frequency response of the magnetron, please see, for example, Figure 4 of the present application.

Claims 1-6, 9-13, 15, 18-22, 24 and 27-29 have been rejected under 35 U.S.C. 102(b) as being anticipated by JP 05-266816 to Yuichi.

In Yuichi, the distance between the first and second magnetron straps 2a, 3a remain constant. The protruding regions 6a, 6b are used to increase the capacitance between the two straps as a whole. However, there is no local variation in the capacitance caused by the protruding regions. Amended claim 1 now recites that the protruding regions cause localized variations in capacitance. As Yuichi does not disclose, teach or suggest this feature, the withdrawal of this rejection is respectfully requested.

Claims 7-8 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Yuichi.

Claims 7-8 depend from independent claim 1 and are patentable over Yuichi for at least the reasons discussed above regarding independent claim 1. Therefore, the withdrawal of this rejection is respectfully requested.

Claims 14 and 23 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Yuichi in view of U.S. Patent Number 4,743,805 to Takada.

Claims 14 and 23 depend from independent claim 1 and are patentable for at least the reasons discussed above regarding independent claim 1. Takada does not supplement Yuichi to teach or suggest the claimed invention. Takada is cited as disclosing a strap formed of an open ring. There is no teaching or suggestion of the above referenced features of independent claim 1. Therefore, the withdrawal of this rejection is respectfully requested.

Claims 16-17 and 25-26 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Yuichi in view of U.S. Patent Number 2,766,403 in view of Skowron.

Claims 16-17 and 25-26 depend from independent claim 1 and are patentable for at least the reasons discussed above regarding independent claim 1. Skowron is cited as teaching flexible straps. There is no teaching or motivation to combine the cited reference. Even if combined, the combination does not lead to the present invention. Skowron does not supplement Yuichi to teach or suggest the features discussed above regarding independent claim 1. Specifically, independent claim 1 has been amended to recite that each protruding region increases capacitance so as to increase the overall capacitance between the first ring strap and the second ring strap. Skowron has alternate "pulled up" and "pushed down" regions in straps 15, 16. As is shown in Figure 2 of Skowron, straps 15, 16 have alternate concave and convex regions separated by straight regions. The concave and convex regions in Skowron alternatively increase and decrease capacitance. Thus, there is no teaching or suggestion of each protruding region increasing capacitance as is recited in independent claim 1.

In view of the above, it is clear that the cited references fail to fairly teach or suggest the claimed invention. Therefore, the withdrawal of this rejection is respectfully requested.

In view of the above, it is respectfully submitted is now in allowable form. Early issuance of a Notice of Allowance is respectfully solicited.

If the Examiner is of the opinion that the prosecution of this application would be advanced by a personal interview, the Examiner is invited to telephone undersigned counsel to arranged for such an interview.

The Commissioner is authorized to charge any fee necessitated by this Amendment to our Deposit Account No. 22-0261.

In view of the above amendment, applicant believes the pending application is in condition for allowance.

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Respectfully submitted,

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